

Appln. No. 10/624,131
Amdt. dated April 5, 2005
Reply to Office action dated January 28, 2005

Amendments to the Specification

Please replace the first three paragraphs on page 12 with the following amended paragraphs:

In one embodiment, 76 volts dc (vdc) is applied between the contact 42A and the shell 38 of the base 36 of Figure 3, and the LEDs 52 mounted on the PCB 32 of Fig. 1 and forming one of the LED arrays of the lamp 20 of Fig. 1 Figs. 1 and 2 include 22 21 LEDs connected in series. ~~The LEDs 22 of Figs. 1 and 2 include 21 LEDs connected in series and[.]~~ The resistor R1 is valued to achieve an electrical current through the LEDs 52 to properly illuminate the LEDs 52.

Fig. 5 is a diagram of one embodiment of an electrical circuit 60 for illuminating an array 62 of LEDs 62 forming the other LED array of the lamp 20 of Fig. 1. As shown in Fig. 5, ~~the LEDs LED array 62~~ include LEDs 64 exposed through the opening 30 of Fig. 1 and other LED 24 of Fig. 1. In the embodiment of Fig. 5 the electrical circuit 60 includes an MOV 66, a diode array 68, and a resistor "R2". The resistor R2 and the diode array 68 provide electrical voltage and current to the LEDs 62 to properly illuminate the LEDs 62 independent of the polarity of an input dc voltage applied between the contact 42B and the shell 38 of the base 36 of Fig. 3. The MOV 66 provides electrical power surge protection for components of the circuit 60.

In one embodiment, 76 volts dc (VDC) is applied between the contact 42B and the shell 38 of the base 236 of Fig. 3, and the ~~LEDs LED array 62~~ mounted on the other PCB and forming the other LED array of the lamp 20 of Fig. 1 include 22 21 LEDs

connected in series. The LEDs 64 include 21 LEDs connected in series[.] The resistor R2 is valued to achieve and electrical current through the LEDs 62 to properly illuminate the LEDs 62.

Please replace the first paragraph on page 14 with the following amended paragraph:

Fig. 9 is a diagram of one embodiment of the diode array PCB 80 of Fig. 7. As described above, electrical power is provided to the PCB 32 shown in Figs. 1, 6, and 7 from the base 36 of Figs. 1-3 via the diode array PCB 80 and the resistor R1. As illustrated in Fig. 9, the bridge rectifier device 82, includes including the diode array 56 of Fig. 4, is mounted to the diode array PCB 80. (The MOV 54 of Figs. 4 and 7 is not shown in Fig. 9.) As described above, the wire 84 connects the diode array PCB 80 to the shell 38 of the base 36. The diode array PCB 92 of Fig. 8 is similar to the diode array PCB 80 of Fig. 9.